

## Geotechnical Site Visit Report

Project Name: I-90 East of Hyak Phase 1B	
Contract No: C-7852	Page 1 of 1 Pages
Day: Friday	Date: 9/9/2011

I arrived at the Hyak office around 7:30 am and called Erik Warren. Erik indicated that there was not much geotechnical assistance needed at this time and he would call me in a few hours to let me know if we were needed at all for the remainder of the week.

Adam from NW Cascade and I discussed the sequence of the drilling of the rock dowels and applying the finished fascia at the soil nail wall (SNW). I indicated that if they were planning on removing the final lift below the soil nail wall then the rock dowels needed to be installed; however, if the final lift were to stay in place and serve as a buttress then they could utilize the bench below the SNW so they did not have to pump the shotcrete as high. Adam indicated that they would most likely leave the bench in place and drill the remaining rock dowels following the final shotcrete application.

Norm Norrish called around 8:15 am and indicated that the prisms are showing minor movement at the SNW section and requested that I take a look at the shotcrete to determine if there was any cracking in the wall. I drove to the site and the contractor was mucking material from last night's blast, on the east side of the project, beneath the SNW. I inspected the wall and took a series of photographs. From my inspection I could not see any cracking. A few photographs of the wall are shown in Figures 1 and 2.

I called Erik around 10:00 am and indicated that the contractor was mucking material beneath the SNW and we could extend the row of pattern dowels to the east in the next few hours. We discussed the possibility of me remaining on site to lay out the rock dowels; however, we both agreed there was plenty of work for NW Cascade and these rock dowels could be laid out next week. Erik and I also discussed that once KLB was finished mucking, the new prisms should be installed and surveyed in and monitoring should begin as soon as possible.

I drove to the Hyak office to download photographs and work on my IDR. Erik called around 11:30 am and indicated that the prisms have been installed and survey has been requested. I left the office around 12:00 pm.

**Michael Mulhern**

Name



Figure 1. A photograph showing a portion of the soil nail wall around station 1347+50. No cracking or distress was observed during the inspection.



~Station 1348+50



Figure 2. A photograph showing the eastern portion of the soil nail wall around station 1348+50. No cracking or distress was observed during the inspection.